

CLINICAL EVALUATION OF A DRUG OF POLY HERBAL PHYTO FORMULATION IN GASTRO INTESTINAL DISORDER

BY

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Abstract: Hyper Acidity is mainly caused by excessive secretion of gastric acid in Stomach. This Condition is treated by the Application of Antacid. The mentioned Poly Herbal Formulation of **ACIDOZ & ULSEAL** containing 6 & 7 ingredients. Which is in form of Tablet, EVT, & Syrup? But we are focusing upon Tablet. Here in the present study of Physicochemical & Phytochemical investigation carried out to insure the use of only uniform & genuine herb materials. In preparation of this poly herbal formulation to standardize them & there in vitro acid neutralizing capacity was carried out to check out the potency of poly herbal Formulation compared with other well known Antacid Formulation study showed that all the physicochemical parameters were complied the standard limit. Photochemical investigation showed that presence of various constituency those might be responsible for the Acid neutralizing capacity of poly herbal Formulation comparable with other well know Antacid

The term Hyper acidity or Acidity is commonly applied to unsatisfactory condition of Stomach. In this condition it is use to denote both a group of clinical & chemical symptoms anomaly, There is no further definite understanding as to the amount of acid necessary to create a hyper acid state. The Stomach Normally secret acid is essential for digestion of food but, When there is an excess production of Acid it result in the condition known as hyper Acidity, Heart burn, Dyspepsia, Eructation & Flatulency are the common symptoms of Acidity. Antacid provide a Symptomatic relief from these symptoms. Antacid are the agent which react with gastric acid to neutralize it & lower the acidity of gastric contents, Acid neutralizing capacity of an Antacid represented the ability of its to absorb acid produced by stomach while holding pH above specific value. In spite of the presence of deferent known Antacid present in the Market. The drugs obtained from plant kingdom may provide use full source of new Tape worm & Round worm that consequently lead him weaker & weaker. The intake of this drug made him free from these prior infection of chronic causes are infection with bacteria like Helicobacter pylori, Certain diseases such as pernicious anaemia, chronic bile reflux stress and Auto immune disorder can be cured by the application of **ACIDOZ** Content

Antacid compounds for the development on newer Formulation. The present motto of this study was to investigate the physicochemical & phytochemical parameter in order to standardize & Evaluate in vitro acid neutralizing capacity of polyherbal Formulation compared with other known Antacid present in the market which is all ready in use but least potent, **ACIDOZ a Herbal Formulation of Biosrum Laboratories (p) Ltd** consist one main content of Glycyrrhizaglabra (Glycyrrhizin) which is all ready having proved activity against Ulcer & as an Antioxidant **ACIDOZ** also capable to heal the injuri to the gastro duodenal due to presence of the Vital herbal contents. **ACIDOZ** is very promising medicine against Non ulcer Dyspepsia (NUD).The patho physiology of this condition has been poorly characterized and its optimum treatment is uncertain but in this ailment this drug is also proved The **ACIDOZ** Formulation is clinically trilled n the volunteer who had been suffering from chronic infection The main content of **ACIDOZ of Glycyrrhiza glabra** whose main active ingredient is Glycyrrhizin in (Fig-1) Glycyrrhizin is a Trite pine glycoside, It is extracted from the Root of Glycerriza. The Glycyrrizin sweet in nature and is used to cure deferent GI Ailments

Fig- 1

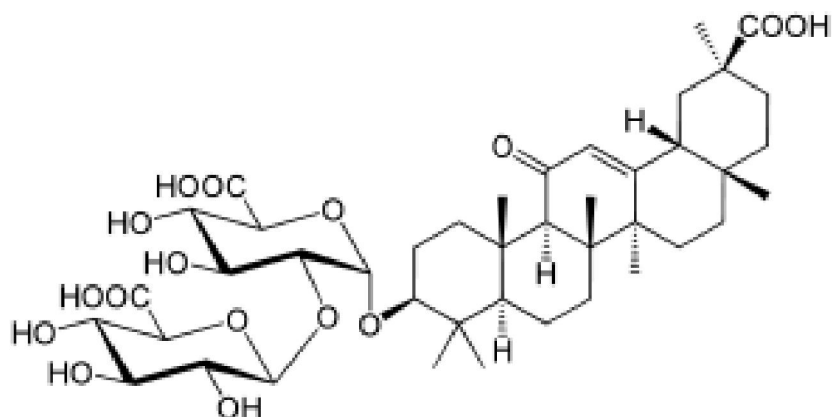


Table1: Clinical Features

MATERIAL OF METHODS :

The main contents of poly herbal medicine **ACIDOZ** is Glycyrrhyza glabra which is use full in Detoxification of Liver and protect by Liver. It is been Used in Mouth Ulcer & Arthritis. The ACIDOZ & ULSEAL is already tested On the patient suffering from Peptic ulcer Arthritis, Swelling Of tummy and allergic complaint. As Conclusion it is found that **ACIDOZ** is used to treat a variety Of ailment and is effective for the treatment of cough. Peptic Ulcer, arthritis and inflammation of tummy

SYMPTOMS	MALE	%	FEMALE	%
Heart Burn	9	99	2	97
Fullness stomach	5	76	1	75
Epi gastritis	9	87	1	80
Nausea	6	72	2	86
Vomit	4	68	2	86
Flatulence	3	55	1	75
Belching	2	90	1	75
Migraine	3	75	2	65

A Clinical study was under taken in the R&D Dept.of **BIOSRUM LABORATORIES** 12 patients were Recruited for the deferent plant according to their respective ailment And consent. Out of them one is Female and rest are male. Or the patient Were of different age group and with different associated symptoms like Epigastritic discomfort , Heart burn, Belching, Flatulence,& fullness of Abdomen and arthritis. During the trial period and on evaluation after 3 weeks the relief in Symptoms was quite significant, as reported by most patients. Epigastritis Discomfort and Heart burn were in received in 9 patients. Other associate symptoms were also significantly lowered . Especially one or two patients Abdominal fullness and dizziness was significantly relieved. The details of The results are shown in the Following Table-1

Table 2: Effect of ACIDOZ & ULSEAL AFTER PLACEBO RISE RAT OF OTHERS MOLECULE

SYMPTOMS	MALE	%	FEMALE	%
Heart Burn	9	95	2	85
Fullness stomach	5	76	1	70
Epi gastritis	9	85	1	70
Nausea	6	72	2	90
Vomit	4	68	2	86
Flatulence	3	55	1	75
Belching	2	85	1	73
Migraine	3	68	2	60

RESULTS & DISCUSSION

One miraculous result of ACIDOZ was seen That disease symptom not appeared at all after 2-3 week discontinued the course of **ACIDOZ & ULSEAL**.

The Syrup/Tablet both provided the patients Substantial relief for a longer duration. The **ACIDOZ** can be attributable to the Antacid as well as Anti Ulcer Effects. The principal content of **ACIDOZ**, glycyrrhizaglabra its Anti Ulcer activity has been demonstrated both experimentally and clinically. Intraperitoneal, Intra duodenal or oral administration of Aqueous or Alcoholic extracts of glycyrrhiza glabra has been shown to reduce gastric secretion in a Rats, Inhabiting the formation of gastric ulcers induced by pyloric ligation. Glycyrrhiza have anti phlogistic activity an increased the rate of mucus secretion by gastric mucosa. The mechanism of Anti Ulcer activity involves Acceleration of mucaic excretion through increasing the synthesis of glyco protien in the gastric Mucosa, Prolonging the life of the epithelial cells and Anti pepsin activity .Acid-related diseases, such as gastroesophageal reflux disease (GERD), have significant impact on healthcare.

As a result, healthcare providers must devise ways to limit expenditure while providing high-quality patient care. Although the goals of therapy are the same in both traditional and managed care environments, optimal cost containment strategies depend heavily on the specifics of payment and risk arrangements involved. Cost-saving strategies involving drug therapy are often based On the assumption that treatments with lower acquisition costs are the most cost effective.

In case of gastritis treatment, the efficacy of acid suppression therapies should also be considered. In addition, efficacy should be a major consideration in therapy choice because recurrence and complications as a result of ineffective therapies can negatively affect the patients' quality of life and increase the overall cost of healthcare. Studies have shown that People who had received at least one prescription of cimetidine, nizatidine, ranitidine, lansoprazole or omeprazole acid-suppressing drugs, had a substantial increase in risk of developing pancreatitis. We took up the study of **ACIDOZ & ULSEAL** as it is a safe herb mineral

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ACIDOZ has proved to be an effective and well tolerated drug in the management of gastritis, heartburn and acid peptic disease. It has a high standard of efficacy and safety in both gastritis and in ulcer therapy and provides good symptomatic relief in all patients. Few patients were given H. pylori eradication treatment in whom H pylori infections were detected. In NSAIDs related gastritis and ulcers withdrawal of the drug and antacid suspension gave good result.

CONCLUSION

Thus, it can be concluded that **ACIDOZ** is effective in relieving symptoms of gastritis and acid peptic disease. Pain relief was considerable In the first two weeks itself. No patients complained of any adverse events. **ACIDOZ** could become the mainstay in the management